

Interpreting results

Data generated using Advanced Instruments standards and reference solutions may be analyzed according to the accuracy and precision specifications of the instrument (see *Performance characteristics* in the *OsmoPRO Multi-sample Micro-osmometer User's Guide* (p/n 112005UG)).

Laboratories may choose to employ one, two, or three standard deviations (SD) for accuracy based on what is relevant in their laboratories. For normally distributed data, approximately 68% of the individual data values will fall within one standard deviation of the mean, approximately 95% within two standard deviations, and approximately 99.7% within three standard deviations.

Advanced Instruments Standards and Reference Solutions	Precision	Accuracy (mOsm/kg H ₂ O)		
		1 SD	2 SD	3 SD
Clintrol™ 290 Reference Solution	Standard deviation ≤ 3 mOsm/kg H ₂ O	287-293	284-296	281-299
50 mOsm/kg Calibration Standard	Standard deviation ≤ 3 mOsm/kg H ₂ O	47-53	44-56	41-59
100 mOsm/kg Calibration Standard	Standard deviation ≤ 3 mOsm/kg H ₂ O	97-103	94-106	91-109
200 mOsm/kg Calibration Standard	Standard deviation ≤ 3 mOsm/kg H ₂ O	197-203	194-206	191-209
400 mOsm/kg Calibration Standard	Standard deviation ≤ 3 mOsm/kg H ₂ O	397-403	394-406	391-409
500 mOsm/kg Calibration Standard	Coefficient of variation ≤ 0.75%	496-504	492-508	488-512
850 mOsm/kg Calibration Standard	Coefficient of variation ≤ 0.75%	843 -857	836-864	829-871
900 mOsm/kg Calibration Standard	Coefficient of variation ≤ 0.75%	893-907	886-914	879-921
1000 mOsm/kg Calibration Standard	Coefficient of variation ≤ 0.75%	992-1008	984-1016	976-1024
1500 mOsm/kg Calibration Standard	Coefficient of variation ≤ 0.75%	1488-1512	1476-1524	1464-1536
2000 mOsm/kg Calibration Standard	Coefficient of variation ≤ 0.75%	1985-2015	1970-2030	1955-2045

Advanced Instruments Controls	Expected Levels	Expected Ranges
Protinol™ Protein-Based Controls	240 mOsm/kg H ₂ O 280 mOsm/kg H ₂ O 320 mOsm/kg H ₂ O	233-247 mOsm/kg H ₂ O 273-287 mOsm/kg H ₂ O 313-327 mOsm/kg H ₂ O
Renol™ Urine Osmolality Controls	300 mOsm/kg H ₂ O 800 mOsm/kg H ₂ O	290-310 mOsm/kg H ₂ O 790-810 mOsm/kg H ₂ O

Protinol and Renol specifications are presented as a range. This range was established based on stability data and approximates a three standard deviation range of results.



Two Technology Way / 781-320-9000
Norwood, Massachusetts 02062, USA
800-225-4034 Fax: 781-320-8181
aicompanies.com



Advanced Instruments and worldwide distributor network provides comprehensive customer service and technical support.

This document is copyrighted by Advanced Instruments with all rights reserved. Under copyright laws, this guide may not be reproduced in any form, in whole or part, without the prior written consent of Advanced Instruments.

© 2021 Advanced Instruments. OsmoPRO is a trademark of Advanced Instruments. All other trademarks are the property of their respective companies.

Interpreting results

根据仪器的精度和精度规范（请参阅性能特征 - OsmoPRO 多样本 微渗压仪 用户指南 (p/n 112005UG)），您可以分析使用Advanced Instruments标准和参考解决方案生成的数据。

每个实验室可以选择使用一个、两个或三个标准差(SD)以确保基于其实验室的相关性的准确性。对于正态分布数据，约68%的单个数据值将落在平均值的标准偏差范围内，约95%的数据落在两个标准偏差范围内，约99.7%的数据落在三个标准偏差范围内

Advanced Instruments Standards and Reference Solutions	Precision	Accuracy (mOsm/kg H ₂ O)		
		1 SD	2 SD	3 SD
Clinitrol™ 290 参考溶液	标准偏差 ≤3 mOsm/kg H ₂ O	287-293	284-296	281-299
50 mOsm/kg 校准液	标准偏差 ≤3 mOsm/kg H ₂ O	47-53	44-56	41-59
100 mOsm/kg 校准液	标准偏差 ≤3 mOsm/kg H ₂ O	97-103	94-106	91-109
200 mOsm/kg 校准液	标准偏差 ≤3 mOsm/kg H ₂ O	197-203	194-206	191-209
400 mOsm/kg 校准液	标准偏差 ≤3 mOsm/kg H ₂ O	397-403	394-406	391-409
500 mOsm/kg 校准液	变异系数 ≤0.75%	496-504	492-508	488-512
850 mOsm/kg 校准液	变异系数 ≤0.75%	843 -857	836-864	829-871
900 mOsm/kg 校准液	变异系数 ≤0.75%	893-907	886-914	879-921
1000 mOsm/kg 校准液	变异系数 ≤0.75%	992-1008	984-1016	976-1024
1500 mOsm/kg 校准液	变异系数 ≤0.75%	1488-1512	1476-1524	1464-1536
2000 mOsm/kg 校准液	变异系数 ≤0.75%	1985-2015	1970-2030	1955-2045

控制项 Advanced Instruments	预期水平	预期范围
Protinol™ Protein-Based Controls	240 mOsm/kg H ₂ O 280 mOsm/kg H ₂ O 320 mOsm/kg H ₂ O	233-247 mOsm/kg H ₂ O 273-287 mOsm/kg H ₂ O 313-327 mOsm/kg H ₂ O
Renol™ Urine Osmolality Controls	300 mOsm/kg H ₂ O 800 mOsm/kg H ₂ O	290-310 mOsm/kg H ₂ O 790-810 mOsm/kg H ₂ O

Protinol和Renol规格作为一个范围提出。该范围是基于稳定性数据建立的，并近似于结果的三个标准偏差范围。



Two Technology Way / 781-320-9000
Norwood, Massachusetts 02062, USA
800-225-4034 Fax: 781-320-8181
aicompanies.com



Advanced Instruments 和遍布全球的经销商网络可提供全方位的客户服务和技术支持。
Advanced Instruments 拥有此用户指南的版权，保留所有权利。按版权法规定，未经 Advanced Instruments 的事先书面同意，不得以任何形式整体或部分复制此用户指南。
© 2021 Advanced Instruments. OsmoPRO 是 Advanced Instruments 的商标。所有其他商标均归各自公司所有。

Auswertung der Ergebnisse

Die mit den Standards und Referenzlösungen von Advanced Instruments generierten Daten können entsprechend den Gerätespezifikationen für Genauigkeit und Präzision analysiert werden (siehe *Performance Specifications - OsmoPRO Mehrproben-Mikro-Osmometer Bedienungsanleitung* (p/n 112005UG)).

Labors können je nach Relevanz eine Standardabweichung, zwei Standardabweichungen und drei Standardabweichungen anwenden, um die Genauigkeit zu gewährleisten. Bei normalverteilten Daten liegen etwa 68 % der einzelnen Datenwerte innerhalb einer Standardabweichung des Mittelwerts, etwa 95 % innerhalb von zwei Standardabweichungen und ca. 99,7 % innerhalb von drei Standardabweichungen des Mittelwerts.

Advanced Instruments Standards und Referenzlösungen	Präzision	Genauigkeit (mOsm/kg H ₂ O)		
		1 SD	2 SD	3 SD
Clintrol™ 290 Referenzlösung	Standardabweichung ≤ 3 mOsm/kg H ₂ O	287-293	284-296	281-299
50 mOsm/kg Kalibrierstandard	Standardabweichung ≤ 3 mOsm/kg H ₂ O	47-53	44-56	41-59
100 mOsm/kg Kalibrierstandard	Standardabweichung ≤ 3 mOsm/kg H ₂ O	97-103	94-106	91-109
200 mOsm/kg Kalibrierstandard	Standardabweichung ≤ 3 mOsm/kg H ₂ O	197-203	194-206	191-209
400 mOsm/kg Kalibrierstandard	Standardabweichung ≤ 3 mOsm/kg H ₂ O	397-403	394-406	391-409
500 mOsm/kg Kalibrierstandard	Variationskoeffizient ≤ 0.75%	496-504	492-508	488-512
850 mOsm/kg Kalibrierstandard	Variationskoeffizient ≤ 0.75%	843 -857	836-864	829-871
900 mOsm/kg Kalibrierstandard	Variationskoeffizient ≤ 0.75%	893-907	886-914	879-921
1000 mOsm/kg Kalibrierstandard	Variationskoeffizient ≤ 0.75%	992-1008	984-1016	976-1024
1500 mOsm/kg Kalibrierstandard	Variationskoeffizient ≤ 0.75%	1488-1512	1476-1524	1464-1536
2000 mOsm/kg Kalibrierstandard	Variationskoeffizient ≤ 0.75%	1985-2015	1970-2030	1955-2045

Advanced Instruments Kontrollen	Erwartete Werte	Erwartete Bereiche
Protinol™ Protein-Based Controls	240 mOsm/kg H ₂ O 280 mOsm/kg H ₂ O 320 mOsm/kg H ₂ O	233-247 mOsm/kg H ₂ O 273-287 mOsm/kg H ₂ O 313-327 mOsm/kg H ₂ O
Renol™ Urine Osmolality Controls	300 mOsm/kg H ₂ O 800 mOsm/kg H ₂ O	290-310 mOsm/kg H ₂ O 790-810 mOsm/kg H ₂ O

Protinol und Renol Spezifikationen werden als Bereich vorgestellt. Dieser Bereich wurde anhand von Stabilitätsdaten ermittelt und nähert sich einem drei-standardabweichungsbereich an.



Two Technology Way / 781-320-9000
Norwood, Massachusetts 02062, USA
800-225-4034 Fax: 781-320-8181
aicompanies.com



Interpretación de los resultados

Los datos generados utilizando soluciones de referencia y calibradores de Advanced Instruments se pueden analizar conforme a las especificaciones de exactitud y precisión del instrumento (consulte *Características de rendimiento - Microsmómetro OsmoPRO para varias muestras Guía del usuario* (p/n 112005UG)).

Los laboratorios pueden elegir utilizar una, dos o tres desviaciones estándar (DE) en función de lo que sea relevante en sus laboratorios. En los datos distribuidos normalmente, aproximadamente el 68% de los datos individuales caen dentro una desviación estándar de la media, aproximadamente el 95% caen dentro de dos desviaciones estándar y alrededor del 99,7% caen dentro de tres desviaciones estándar.

Calibradores y soluciones de referencia de Advanced Instruments	Precisión	Exactitude (mOsm/kg H ₂ O)		
		1 SD	2 SD	3 SD
Solución de referencia Clinintrol™ 290	Desviación estándar ≤3 mOsm/kg H ₂ O	287-293	284-296	281-299
Calibrador de 50 mOsm/kg	Desviación estándar ≤3 mOsm/kg H ₂ O	47-53	44-56	41-59
Calibrador de 100 mOsm/kg	Desviación estándar ≤3 mOsm/kg H ₂ O	97-103	94-106	91-109
Calibrador de 200 mOsm/kg	Desviación estándar ≤3 mOsm/kg H ₂ O	197-203	194-206	191-209
Calibrador de 400 mOsm/kg	Desviación estándar ≤3 mOsm/kg H ₂ O	397-403	394-406	391-409
Calibrador de 500 mOsm/kg	Coeficiente de variación ≤0.75%	496-504	492-508	488-512
Calibrador de 850 mOsm/kg	Coeficiente de variación ≤0.75%	843 -857	836-864	829-871
Calibrador de 900 mOsm/kg	Coeficiente de variación ≤0.75%	893-907	886-914	879-921
Calibrador de 1000 mOsm/kg	Coeficiente de variación ≤0.75%	992-1008	984-1016	976-1024
Calibrador de 1500 mOsm/kg	Coeficiente de variación ≤0.75%	1488-1512	1476-1524	1464-1536
Calibrador de 2000 mOsm/kg	Coeficiente de variación ≤0.75%	1985-2015	1970-2030	1955-2045

Calibradores de Advanced Instruments	Niveles esperados	Niveles esperados
Protinol™ Protein-Based Controls	240 mOsm/kg H ₂ O	233-247 mOsm/kg H ₂ O
	280 mOsm/kg H ₂ O	273-287 mOsm/kg H ₂ O
	320 mOsm/kg H ₂ O	313-327 mOsm/kg H ₂ O
Renol™ Urine Osmolality Controls	300 mOsm/kg H ₂ O	290-310 mOsm/kg H ₂ O
	800 mOsm/kg H ₂ O	790-810 mOsm/kg H ₂ O

Las especificaciones de Protinol y Renol se presentan como una gama. Este rango se estableció a partir de datos de estabilidad y se aproxima a un rango de tres resultados de Desviación estándar.



Two Technology Way / 781-320-9000
Norwood, Massachusetts 02062, USA
800-225-4034 Fax: 781-320-8181
aicompanies.com



El servicio de asistencia de Advanced Instruments y su red mundial de distribuidores ofrecen servicio técnico y atención al cliente integral.

El presente Manual del usuario está protegido por derechos de autor de Advanced Instruments. Reservados todos los derechos. Bajo las leyes sobre derechos de autor (copyright), está prohibido duplicar esta guía por ningún medio, sea parcial o totalmente, sin el consentimiento previo por escrito de Advanced Instruments.

© 2021 Advanced Instruments. OsmoPRO es una marca comercial registrada de Advanced Instruments. Todas las demás marcas comerciales son propiedad de sus respectivas compañías.

Interprétation des résultats

Les données générées par les solutions étalon et de référence Advanced Instruments peuvent être analysées en fonction des spécifications d'exactitude et de précision de l'instrument (consultez *Spécifications de performance - OsmoPRO à échantillons multiples Micro-osmomètre Guide de l'utilisateur* (p/n 112005UG)).

Les laboratoires peuvent décider d'employer un, deux ou trois écarts-types (É-T) pour l'exactitude, selon ce qui convient à leur propre laboratoire. Pour les données normalement distribuées, environ 68 % des valeurs des données individuelles se situent dans un écart-type de la moyenne, environ 95 % sont dans deux % écarts-types, et environ 99,7 % dans trois % écarts-types.

Solutions étalon et de référence Advanced Instruments	Précision	Exactitude (mOsm/kg H ₂ O)		
		1 SD	2 SD	3 SD
Solution de référence Clinitrol™ 290	Écart-type ≤ 3 mOsm/kg H ₂ O	287-293	284-296	281-299
Solution étalon de calibration de 50 mOsm/kg	Écart-type ≤ 3 mOsm/kg H ₂ O	47-53	44-56	41-59
Solution étalon de calibration de 100 mOsm/kg	Écart-type ≤ 3 mOsm/kg H ₂ O	97-103	94-106	91-109
Solution étalon de calibration de 200 mOsm/kg	Écart-type ≤ 3 mOsm/kg H ₂ O	197-203	194-206	191-209
Solution étalon de calibration de 400 mOsm/kg	Écart-type ≤ 3 mOsm/kg H ₂ O	397-403	394-406	391-409
Solution étalon de calibration de 500 mOsm/kg	Coefficient de variation ≤ 0.75%	496-504	492-508	488-512
Solution étalon de calibration de 850 mOsm/kg	Coefficient de variation ≤ 0.75%	843 -857	836-864	829-871
Solution étalon de calibration de 900 mOsm/kg	Coefficient de variation ≤ 0.75%	893-907	886-914	879-921
Solution étalon de calibration de 1000 mOsm/kg	Coefficient de variation ≤ 0.75%	992-1008	984-1016	976-1024
Solution étalon de calibration de 1500 mOsm/kg	Coefficient de variation ≤ 0.75%	1488-1512	1476-1524	1464-1536
Solution étalon de calibration de 2000 mOsm/kg	Coefficient de variation ≤ 0.75%	1985-2015	1970-2030	1955-2045

Les Solutions de Contrôle d'Advanced Instruments	Les Niveaux Prévus	La Fourchette Attendue
Protinol™ Protein-Based Controls	240 mOsm/kg H ₂ O 280 mOsm/kg H ₂ O 320 mOsm/kg H ₂ O	233-247 mOsm/kg H ₂ O 273-287 mOsm/kg H ₂ O 313-327 mOsm/kg H ₂ O
Renol™ Urine Osmolality Controls	300 mOsm/kg H ₂ O 800 mOsm/kg H ₂ O	290-310 mOsm/kg H ₂ O 790-810 mOsm/kg H ₂ O

Les spécifications Protinol et Renol sont présentées sous forme de gamme. Cette plage a été établie à partir de données sur la stabilité et se rapproche d'une plage de résultats de trois écarts-types.



Two Technology Way / 781-320-9000
Norwood, Massachusetts 02062, USA
800-225-4034 Fax: 781-320-8181
aicompanies.com



L'assistance technique Advanced Instruments ainsi que son réseau international de distributeurs assurent un support technique et un service client intégral.

Ce guide de l'utilisateur est protégé par les droits d'auteur d'Advanced Instruments, Inc. Tous droits réservés. Dans le cadre des lois sur les droits d'auteur, ce guide ne peut être reproduit en totalité ou en partie, sous quelque forme que ce soit, sans l'autorisation écrite préalable d'Advanced Instruments.

© 2021 Advanced Instruments. OsmoPRO est une marque de commerce d'Advanced Instruments. Toutes les autres marques de commerce sont la propriété de leurs sociétés respectives.

CL00128 Rev2

Interpretazione dei risultati

I dati generati usando gli standard e le soluzioni di riferimento di Advanced Instruments possono essere analizzati secondo le specifiche di accuratezza e precisione dello strumento (see *Specifiche di prestazione - Micro-osmometro multi-campione OsmoPRO Guida utente* (p/n 112005UG)).

I laboratori possono decidere di impiegare una, due o tre deviazioni standard (DS) per l'accuratezza, in base a quanto è rilevante nelle proprie sedi. Per i dati distribuiti normalmente, circa il 68% dei valori dei dati individuali cade entro una deviazione standard dalla media, circa il 95% cade entro due deviazioni standard e circa il 99,7% cade entro tre deviazioni standard.

Standard e soluzioni di riferimento	Precision	Accuratezza (mOsm/kg H ₂ O)		
		1 SD	2 SD	3 SD
Soluzione di riferimento Clinitol™ 290	Deviazione standard ≤3 mOsm/kg H ₂ O	287-293	284-296	281-299
Standard di calibrazione 50 mOsm/kg	Deviazione standard ≤3 mOsm/kg H ₂ O	47-53	44-56	41-59
Standard di calibrazione 100 mOsm/kg	Deviazione standard ≤3 mOsm/kg H ₂ O	97-103	94-106	91-109
Standard di calibrazione 200 mOsm/kg	Deviazione standard ≤3 mOsm/kg H ₂ O	197-203	194-206	191-209
Standard di calibrazione 400 mOsm/kg	Deviazione standard ≤3 mOsm/kg H ₂ O	397-403	394-406	391-409
Standard di calibrazione 500 mOsm/kg	Coefficiente di variazione ≤0.75%	496-504	492-508	488-512
Standard di calibrazione 850 mOsm/kg	Coefficiente di variazione ≤0.75%	843 -857	836-864	829-871
Standard di calibrazione 900 mOsm/kg	Coefficiente di variazione ≤0.75%	893-907	886-914	879-921
Standard di calibrazione 1000 mOsm/kg	Coefficiente di variazione ≤0.75%	992-1008	984-1016	976-1024
Standard di calibrazione 1500 mOsm/kg	Coefficiente di variazione ≤0.75%	1488-1512	1476-1524	1464-1536
Standard di calibrazione 2000 mOsm/kg	Coefficiente di variazione ≤0.75%	1985-2015	1970-2030	1955-2045

I controlli e le soluzioni di riferimento Advanced Instruments	Livelli Previsti	Intervalli Previsti
Protinol™ Protein-Based Controls	240 mOsm/kg f 280 mOsm/kg H ₂ O 320 mOsm/kg H ₂ O	233-247 mOsm/kg H ₂ O 273-287 mOsm/kg H ₂ O 313-327 mOsm/kg H ₂ O
Renol™ Urine Osmolality Controls	300 mOsm/kg H ₂ O 800 mOsm/kg H ₂ O	290-310 mOsm/kg H ₂ O 790-810 mOsm/kg H ₂ O

Specifiche Protinol e Renol sono presentati come una gamma. Questo intervallo è stato stabilito sulla base di dati di stabilità e si avvicina a una serie di risultati di tre deviazioni standard.



Two Technology Way / 781-320-9000
Norwood, Massachusetts 02062, USA
800-225-4034 Fax: 781-320-8181
aicompanies.com



Servizio di assistenza tecnica Advanced Instruments e la sua rete di distributori a livello mondiale offrono servizio alla clientela e supporto tecnico completi.

La presente Guida utente è coperta da copyright di Advanced Instruments, con tutti i diritti riservati. Conformemente alle leggi sul copyright, questa guida non può essere riprodotta in alcun formato, interamente o in parte, senza previa autorizzazione scritta di Advanced Instruments.

© 2021 Advanced Instruments. OsmoPRO è un marchio commerciale di Advanced Instruments. Tutti gli altri marchi commerciali sono di proprietà dei rispettivi titolari.

結果の解釈

Advanced Instruments標準溶液および基準溶液によるデータは、装置の正確度および精度の仕様に従って解析可能です (の性能仕様を参照 - OsmoPRO マルチサンプル 微量浸透圧計 ユーザガイド)。

各研究室に関連する事項に基づいて、正確度に対し 1 つ、2 つ、あるいは 3 つの標準偏差 (SD) を選ぶことができます。通常の分布データについて、約 68% の個々のデータ値が平均値の 1SD 以内に、約 95% が 2 SD以内に、約 99.7% が 3SD 以内に収まります。

Advanced Instruments 標準溶液と基準溶液	精度	正確度 (mOsm/kg H ₂ O)		
		1 SD	2 SD	3 SD
Clinitrol™ 290基準溶液	較正標準 ≤ 3 mOsm/kg H ₂ O	287-293	284-296	281-299
50 mOsm/kg 較正標準	較正標準 ≤ 3 mOsm/kg H ₂ O	47-53	44-56	41-59
100 mOsm/kg 較正標準	較正標準 ≤ 3 mOsm/kg H ₂ O	97-103	94-106	91-109
200 mOsm/kg 較正標準	較正標準 ≤ 3 mOsm/kg H ₂ O	197-203	194-206	191-209
400 mOsm/kg 較正標準	較正標準 ≤ 3 mOsm/kg H ₂ O	397-403	394-406	391-409
500 mOsm/kg 較正標準	変動係数 ≤ 0.75%	496-504	492-508	488-512
850 mOsm/kg 較正標準	変動係数 ≤ 0.75%	843-857	836-864	829-871
900 mOsm/kg 較正標準	変動係数 ≤ 0.75%	893-907	886-914	879-921
1000 mOsm/kg 較正標準	変動係数 ≤ 0.75%	992-1008	984-1016	976-1024
1500 mOsm/kg 較正標準	変動係数 ≤ 0.75%	1488-1512	1476-1524	1464-1536
2000 mOsm/kg 較正標準	変動係数 ≤ 0.75%	1985-2015	1970-2030	1955-2045

Advanced Instruments のコントロールお	予想レベル	期待される範囲
Protinol™ Protein-Based Controls	240 mOsm/kg H ₂ O 280 mOsm/kg H ₂ O 320 mOsm/kg H ₂ O	233-247 mOsm/kg H ₂ O 273-287 mOsm/kg H ₂ O 313-327 mOsm/kg H ₂ O
Renol™ Urine Osmolality Controls	300 mOsm/kg H ₂ O 800 mOsm/kg H ₂ O	290-310 mOsm/kg H ₂ O 790-810 mOsm/kg H ₂ O

Protinol と Renol の仕様が記載されています。この範囲は、安定性データに基づいて確立され、結果の3つの標準偏差の範囲を概算しました。



Two Technology Way / 781-320-9000
Norwood, Massachusetts 02062, USA
800-225-4034 Fax: 781-320-8181
aicompanies.com



テクニカルサービス Advanced Instruments と世界に広がる販売代理店ネットワークは、包括的なカスタマーサービスとテクニカルサポートを常。
本ユーザーガイドの著作権は Advanced Instruments にあり、無断複写・転載を禁じます。著作権法の下で、本ユーザーガイドは Advanced Instruments による事前の書面での同意なく、全体または一部をいかなる形態でも複製することはできません。

© 2021 Advanced Instruments. OsmoPRO は Advanced Instruments の商標です。他の全ての商標は、各社が所有しています。

품질 관리

Advanced Instruments 표준 및 기준 용액을 이용하여 생성된 데이터는 기기의 정확성 및 정밀성 기준에 따라 분석할 수 있습니다(성능 특성 참조 - OsmoPRO Multi-Sample Micro-Osmometer 사용 설명서 (p/n 112005UG)).

해당 실험실에 적절한 사항을 기준으로 실험실에서 정확성에 대한 1, 2 또는 3개 표준편차(SD) 사용을 선택할 수 있습니다. 정규 분포 데이터의 경우, 개별 데이터 값의 약 68%가 평균의 1개 표준편차 내에 포함되며, 약 95%는 2개 표준편차 내, 그리고 약 99.7%가 3개 표준편차 내에 포함됩니다.

Advanced Instruments 표준 및 기준 용액	정밀도	정확도 (mOsm/kg H ₂ O)		
		1SD	2SD	3SD
Clinitrol™ 290 Reference Solution	표준편차 ≤3 mOsm/kg H ₂ O	287-293	284-296	281-299
50 mOsm/kg Calibration Standard	표준편차 ≤3 mOsm/kg H ₂ O	47-53	44-56	41-59
100 mOsm/kg Calibration Standard	표준편차 ≤3 mOsm/kg H ₂ O	97-103	94-106	91-109
200 mOsm/kg Calibration Standard	표준편차 ≤3 mOsm/kg H ₂ O	197-203	194-206	191-209
400 mOsm/kg Calibration Standard	표준편차 ≤3 mOsm/kg H ₂ O	397-403	394-406	391-409
500 mOsm/kg Calibration Standard	변동계수 ≤0.75%	496-504	492-508	488-512
850 mOsm/kg Calibration Standard	변동계수 ≤0.75%	843 -857	836-864	829-871
900 mOsm/kg Calibration Standard	변동계수 ≤0.75%	893-907	886-914	879-921
1000 mOsm/kg Calibration Standard	변동계수 ≤0.75%	992-1008	984-1016	976-1024
1500 mOsm/kg Calibration Standard	변동계수 ≤0.75%	1488-1512	1476-1524	1464-1536
2000 mOsm/kg Calibration Standard	변동계수 ≤0.75%	1985-2015	1970-2030	1955-2045

Advanced Instruments 대조물질	예상 수준	예상 범위
Protinol™ Protein-Based Controls	240 mOsm/kg H ₂ O	233-247 mOsm/kg H ₂ O
	280 mOsm/kg H ₂ O	273-287 mOsm/kg H ₂ O
	320 mOsm/kg H ₂ O	313-327 mOsm/kg H ₂ O
Renol™ Urine Osmolality Controls	300 mOsm/kg H ₂ O	290-310 mOsm/kg H ₂ O
	800 mOsm/kg H ₂ O	790-810 mOsm/kg H ₂ O

Protinol 과 Renol 사양은 범위로 표시됩니다. 이 범위는 안정성 데이터를 기반으로 설립되었으며 결과의 세 가지 표준 편차 범위를 근사했습니다.



Two Technology Way / 781-320-9000
Norwood, Massachusetts 02062, USA
800-225-4034 Fax: 781-320-8181
aicompanies.com



기술 서비스 Advanced Instruments 및 전 세계 대리점 네트워크는 포괄적 인 고객 서비스 및 기술 지원을 제공합니다.

본 사용 설명서의 저작권은 제반 권리를 보유한 Advanced Instruments에 있습니다. 저작권법에 따라 본 사용 설명서는 Advanced Instruments사의 사전 서면 동의 없이는 전체 또는 일부를 포함해 어떠한 형태로든지 복제할 수 없습니다.

© 2021 Advanced Instruments. OsmoPRO는 Advanced Instruments의 등록 상표입니다. 기타 모든 상표는 해당 회사의 자산입니다.

Интерпретация результатов

Данные, полученные с помощью эталонных растворов и контрольных образцов прибора Advanced Instruments, могут анализироваться в соответствии с характеристиками точности прибора и повторяемости его показаний (см. Рабочие характеристики - Многоместный осмометр OsmoPRO® Руководство пользователя (p/n 112005UG)).

Исходя из принятой в лаборатории методики работ может быть выбрано для использования значение точности равное одному, двум или трем среднеквадратичным отклонениям (сигма). Для данных, характеризуемых нормальным распределением, приблизительно 68% данных попадают в диапазон плюс-минус одно среднеквадратичное отклонение от среднего значения, приблизительно 95% данных попадают в диапазон плюс-минус два среднеквадратичных отклонения от среднего значения и приблизительно 99,7% данных попадают в диапазон плюс-минус три среднеквадратичных отклонения от среднего значения.

Стандарты и эталонные растворы компании Advanced Instruments	Воспроизводимость	Точность (mOsm/kg H ₂ O)		
		2 SD	3 SD	
Эталонный раствор Clinitrol™ 290	Среднеквадратичное ≤ 3 mOsm/kg H ₂ O	287-293	284-296	281-299
Калибровочный стандарт 50 mOsm/kg	Среднеквадратичное ≤ 3 mOsm/kg H ₂ O	47-53	44-56	41-59
Калибровочный стандарт 100 mOsm/kg	Среднеквадратичное ≤ 3 mOsm/kg H ₂ O	97-103	94-106	91-109
Калибровочный стандарт 200 mOsm/kg	Среднеквадратичное ≤ 3 mOsm/kg H ₂ O	197-203	194-206	191-209
Калибровочный стандарт 400 mOsm/kg	Среднеквадратичное ≤ 3 mOsm/kg H ₂ O	397-403	394-406	391-409
Калибровочный стандарт 500 mOsm/kg	Коэффициент вариации ≤ 0.75%	496-504	492-508	488-512
Калибровочный стандарт 850 mOsm/kg	Коэффициент вариации ≤ 0.75%	843-857	836-864	829-871
Калибровочный стандарт 900 mOsm/kg	Коэффициент вариации ≤ 0.75%	893-907	886-914	879-921
Калибровочный стандарт 1000 mOsm/kg	Коэффициент вариации ≤ 0.75%	992-1008	984-1016	976-1024
Калибровочный стандарт 1500 mOsm/kg	Коэффициент вариации ≤ 0.75%	1488-1512	1476-1524	1464-1536
Калибровочный стандарт 2000 mOsm/kg	Коэффициент вариации ≤ 0.75%	1985-2015	1970-2030	1955-2045

контрольных образцов компании Advanced Instruments	ожидаемый уровень	ожидаемый уровень
Protinol™ Protein-Based Controls	240 mOsm/kg H ₂ O 280 mOsm/kg H ₂ O 320 mOsm/kg H ₂ O	233-247 mOsm/kg H ₂ O 273-287 mOsm/kg H ₂ O 313-327 mOsm/kg H ₂ O
Renol™ Urine Osmolality Controls	300 mOsm/kg H ₂ O 800 mOsm/kg H ₂ O	290-310 mOsm/kg H ₂ O 790-810 mOsm/kg H ₂ O

Технические характеристики Protinol и Renol представлены в виде диапазона. Этот диапазон был установлен на основе данных о стабильности и аппроксимирует три диапазона стандартных отклонений результатов.



Two Technology Way / 781-320-9000
Norwood, Massachusetts 02062, USA
800-225-4034 Fax: 781-320-8181
aicompanies.com



Горячая линия сервисного обслуживания компании Advanced Instruments и всемирная дистрибьюторская сеть обеспечивают круглосуточное комплексное обслуживание клиентов и техническую поддержку.

Авторские права на настоящее руководство пользователя принадлежат Advanced Instruments, все права защищены. Согласно закону об авторском праве настоящее руководство не может воспроизводиться в какой-либо форме ни полностью, ни частично без предварительного письменного согласия компании Advanced Instruments.

© Advanced Instruments, 2021. OsmoPRO является зарегистрированным товарным знаком компании Advanced Instruments. Все прочие товарные знаки являются собственностью соответствующих компаний.

Sonuçların yorumlanması için kullanın

Advanced Instruments standartları ve referans çözeltileri kullanılarak üretilen veriler, cihazın doğruluk ve kesinlik spesifikasyonları uyarınca analiz edilebilir (bkz. *Performans Özellikleri - OsmoPRO Çok Örnekli Mikro-Osmometre Kullanıcı Kılavuzu* (p/n 112005UG)).

Laboratuvarlar, kendileri için uygun olan duruma göre bir, iki veya üç standart sapma (SS) kullanmayı seçebilirler. Normal dağılımlı veriler için, ayrı veri değerlerinin yaklaşık %68'i ortalamadan bir standart sapma, yaklaşık %95'i ortalamadan iki standart sapma ve yaklaşık %99.7'si ortalamadan üç standart sapma mesafededir.

Advanced Instruments Standartları ve Referans Çözeltileri	Kesinlik	Doğruluk (mOsm/kg H ₂ O)		
		1 SD	2 SD	3 SD
Clinitrol™ 290 Referans Çözeltisi	Standart sapma ≤ 3 mOsm/kg H ₂ O	287-293	284-296	281-299
50 mOsm/kg Kalibrasyon Standardı	Standart sapma ≤ 3 mOsm/kg H ₂ O	47-53	44-56	41-59
100 mOsm/kg Kalibrasyon Standardı	Standart sapma ≤ 3 mOsm/kg H ₂ O	97-103	94-106	91-109
200 mOsm/kg Kalibrasyon Standardı	Standart sapma ≤ 3 mOsm/kg H ₂ O	197-203	194-206	191-209
400 mOsm/kg Kalibrasyon Standardı	Standart sapma ≤ 3 mOsm/kg H ₂ O	397-403	394-406	391-409
500 mOsm/kg Kalibrasyon Standardı	Belirsizlik katsayısı $\leq 0.75\%$	496-504	492-508	488-512
850 mOsm/kg Kalibrasyon Standardı	Belirsizlik katsayısı $\leq 0.75\%$	843-857	836-864	829-871
900 mOsm/kg Kalibrasyon Standardı	Belirsizlik katsayısı $\leq 0.75\%$	893-907	886-914	879-921
1000 mOsm/kg Kalibrasyon Standardı	Belirsizlik katsayısı $\leq 0.75\%$	992-1008	984-1016	976-1024
1500 mOsm/kg Kalibrasyon Standardı	Belirsizlik katsayısı $\leq 0.75\%$	1488-1512	1476-1524	1464-1536
2000 mOsm/kg Kalibrasyon Standardı	Belirsizlik katsayısı $\leq 0.75\%$	1985-2015	1970-2030	1955-2045

Advanced Instruments Kontrolleri	Beklenen Seviyeler	Beklenen Aralıklar
Protinol™ Protein-Based Controls	240 mOsm/kg H ₂ O 280 mOsm/kg H ₂ O 320 mOsm/kg H ₂ O	233-247 mOsm/kg H ₂ O 273-287 mOsm/kg H ₂ O 313-327 mOsm/kg H ₂ O
Renol™ Urine Osmolality Controls	300 mOsm/kg H ₂ O 800 mOsm/kg H ₂ O	290-310 mOsm/kg H ₂ O 790-810 mOsm/kg H ₂ O

Protinol ve Renol özellikleri bir aralık olarak sunulmaktadır. Bu aralık, kararlılık verilerine dayanarak kurulmuş ve sonuçların üç standart sapma aralığına yaklaşmıştır.



Two Technology Way / 781-320-9000
Norwood, Massachusetts 02062, USA
800-225-4034 Fax: 781-320-8181
aicompanies.com



Teknik Servis Advanced Instruments ve dünya çapında distribütör ağı, kapsamlı müşteri hizmeti ve teknik destek sağlar.

Bu kullanıcı kılavuzu, tüm hakları saklı olarak Advanced Instruments tarafından telif hakkı kapsamına alınmıştır. Telif hakkı yasaları uyarınca, bu kılavuz, Advanced Instruments'ın önceden yazılı onayı olmaksızın, tamamen veya kısmen herhangi bir biçimde çoğaltılamaz.

© 2021 Advanced Instruments. OsmoPRO, Advanced Instruments şirketinin tescilli markasıdır. Diğer tüm ticari markalar ilgili şirketlerin mülkiyetindedir.