

# TIPS from TECHNICAL MARKETING

## SYNCHRON CX® Systems Urine Chemistries

METHOD	24 HR. COLLECTION INSTRUCTIONS	SPECIAL INSTRUCTIONS	* REFERENCE INTERVALS	
			Conventional Units	International Units
Amylase	<ul style="list-style-type: none"> <li>* Done on random urine. If 24 hr</li> <li>• No preservative required</li> </ul>	<ul style="list-style-type: none"> <li>• Dilute with normal saline if required</li> </ul>	1.0 - 17 U/h	0.5 - 8.5 IU/h
P-Amylase	<ul style="list-style-type: none"> <li>• Refrigerate during collection</li> </ul>		<320 U/L	< 320 IU/L
Calcium	<ul style="list-style-type: none"> <li>• Acidify with 25 mL 6N HCL added to container before collection</li> <li>• Refrigerate during collection</li> </ul>	<ul style="list-style-type: none"> <li>• No pre-dilution required before analysis</li> <li>• Dilute with normal saline if required</li> </ul>	100 - 300 mg/d	2.50 - 7.50 mmol/d
Chloride	<ul style="list-style-type: none"> <li>• No preservative required</li> <li>• Refrigerate during collection</li> </ul>	<ul style="list-style-type: none"> <li>• No pre-dilution required before analysis</li> <li>• Dilute with deionized H<sub>2</sub>O if required</li> <li>• Do not perform on urine to which acid has been added</li> </ul>	110 - 250 mmol/d	110 - 250 mmol/d
Glucose	<ul style="list-style-type: none"> <li>• No preservative required</li> <li>• Refrigerate during collection</li> </ul>	<ul style="list-style-type: none"> <li>• No pre-dilution required before analysis</li> <li>• Dilute with normal saline if required.</li> </ul>	1 - 15 mg/dL	0.06 - 0.83 mmol/L
Creatinine	<ul style="list-style-type: none"> <li>• No preservative required</li> <li>• Refrigerate during collection</li> </ul>	<ul style="list-style-type: none"> <li>• No pre-dilution required before analysis</li> <li>• Dilute with deionized H<sub>2</sub>O or normal saline if required</li> </ul>	600 - 1800 mg/d	5.3 - 15.9 mmol/d
Magnesium	<ul style="list-style-type: none"> <li>• Acidify with 25 mL 6N HCL added to container before collection</li> <li>• Refrigerate during collection</li> </ul>	<ul style="list-style-type: none"> <li>• Pre-dilute 1:10 with normal saline before analysis</li> </ul>	72.9 - 121.5 mg/d	3.00 - 5.00 mmol/d
Phosphorus	<ul style="list-style-type: none"> <li>• Acidify with 25 mL 6N HCL added to container before collection</li> <li>• Refrigerate during collection</li> </ul>	<ul style="list-style-type: none"> <li>• Pre-dilute 1:10 with normal saline before analysis</li> </ul>	0.4 - 1.3 g/d	12.9 - 42.0 mmol/d