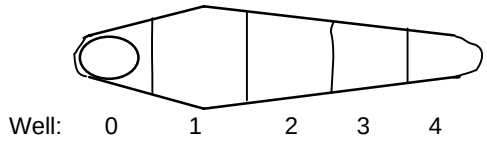
Sample Diluent A Technical Guide

				Notes
Catalog #s	**Sample Diluent A Pack (2 packs; 32.9 mL per pack)**		**Sample Diluent A Vial (1 x 4 mL)**	
	A79783		81908	
Test Name **Sample Diluent A Pack**	dSDA			
Test Number **Sample Diluent A Pack**	5010			
	Access	**Access 2**	**UniCel DxI 600 & 800**	
Minimum Software Version	*N/A	*N/A	4.3 (Diluent pack only)	* Sample diluent A diluent packs are not available on Access and Access 2.
Minimum APF Version	*N/A	*N/A	Assay Specific (Diluent pack only)	
Days Stable: **Open Diluent A Pack** **Non-punctured Diluent A pack** **Sample Diluent A Vial**	56 Days after each well is punctured. One year shelf life. Stable until the expiration date stated on the vial label when stored at 2 to 10°C.			Sample Diluent Packs: Only one well of the pack will be in use at a time, beginning with Well 0. When the in-use well is empty or expired, a new well will be punctured. The open well stability is the number of days each well of a pack may be used following puncture before the assay results are flagged with "diluent expired". It applies to each of the wells individually. Example: If the open well stability is 56 days, the pack has the potential to be on board a total of 280 days (5 wells x 56 days) or until the pack expiration. Note: The contents of every well of the Sample A Diluent pack are identical. Only the volumes differ.
Storage Conditions **Sample Diluent A Pack** **Sample Diluent A Vial**	Store upright and refrigerate at 2-10°C. Refrigerate at 2-10°C for a minimum of two hours before use on the instrument. Store at 2-10°C			

Format and Protocol

Diluent Pack Components and Locations

Every well of the Sample A Diluent Pack contains Sample Diluent A. Only the volumes differ.



Diluent Well Test Capacity

The following table provides the well test capacity of the Sample A Diluent Pack (defined in volume rather than number of tests). The useable and fill volumes for each pack well are fixed.

The wells are used consecutively, beginning with Well 0. The software tracks the volume of diluent used and remaining for each well.

	Well 0	Well 1	Well 2	Well 3	Well 4
Usable Volume, mL	2.75	11.0	8.25	2.75	2.75
Fill Volume, mL	3.36	13.25	9.86	3.22	3.22

Format and Protocol, Continued

Dilution Volumes (Sample and Diluent)

			Aspirated from SV / Diluent Pack		Delivered into DV	
*Assay	Insert Suggested Diluent	Dilution	Sample (ul)	Diluent (ul)	Sample (ul)	Diluent (ul)
CK-MB	Sample Diluent A	1:2	155	155	140	140
hFSH	Sample Diluent A	1:2	155	155	140	140
hGH	Sample Diluent A	1:2	155	155	140	140
hLH	Sample Diluent A	1:2	155	155	140	140
IL-6 IVD & RUO	Sample Diluent A	1:3	110	220	100	200
Inihibin A	Sample Diluent A	1:3	110	220	100	200
Ostase	Sample Diluent A	1:3	110	220	100	200
Fast TSH	Sample Diluent A	1:5	66	264	60	240
TSH	Sample Diluent A	1:5	66	264	60	240
BR Monitor	Sample Diluent A	1:10	50	445	45	405
GI Monitor	Sample Diluent A	1:10	50	445	45	405
Insulin	Sample Diluent A	1:10	50	445	45	405
Intact PTH (Intraop)	Sample Diluent A	1:10	50	445	45	405
Intact PTH (Routine)	Sample Diluent A	1:10	50	445	45	405
Myoglobin	Sample Diluent A	1:10	50	445	45	405
OV Monitor	Sample Diluent A	1:20	25	418	20	380
Prolactin	Sample Diluent A	1:10	50	445	45	405
TPO Ab	Sample Diluent A	1:10	50	445	45	405

* Assays in the table above are phase one assays for the onboard dilution project. The table will be updated as new onboard dilution assays are released.

Additional Information

The following assays are not included in the DxI onboard dilution menu.

***Note**: Onboard dilution is in phase one of the project.*

Assay	Justification
Free T3	Dilution Not Recommended
Free T4	Dilution Not Recommended
HAV-IgM	Dilution Not Recommended
HBc-IgM	Dilution Not Recommended
HBsAb	Dilution Not Recommended
HBsAgV3	Dilution Not Recommended
HBsCtV3	Dilution Factor is Sample Dependent
HCVPLUS	Dilution Not Recommended
HIVAbNew	Dilution Not Recommended
Intrinsic Factor Ab	Dilution Not Recommended
Rubella IgM	Dilution Not Recommended
T Uptake	N/A
Toxo IgM	Dilution Not Recommended
HbcAb	Dilution Not Recommended
Total IgE	Dilution Not Recommended
Total TT4	Dilution Not Recommended
Dil AFP	N/A
Dil BhCG2	N/A
Dil Ferritin	N/A

Product Stress Conditions

Shipping under simulated heat-stressed and frozen conditions did not affect packs. Results after undergoing simulated shipping stress conditions were within 10% of expected.

Sample diluent A diluent packs are shipped with cool packs, however there is no effect on performance if the packs are shipped without cool packs (ambient).

Additional Information

Handling Requirements

Sample Diluent A Vial (P/N 81908)	Sample Diluent A Reagent Pack (P/N A79793)
If there is evidence of microbial contamination or excessive turbidity in the reagent, discard the vial. Product is provided ready to use. Allow the contents to stand for 10 minutes at room temperature. Mix gently by inverting before use. Avoid bubble formation.	• Product is provided ready to use. • Store upright and refrigerate at 2 to 10°C. • Refrigerate at 2 to 10°C for a minimum of two hours before use on the instrument. • Stable until the expiration date stated on the label when stored at 2 to 10°C. • Stable at 2 to 10°C for 56 days after initial use of each well. • Mix contents of new (unpunctured) reagent packs by gently inverting pack several times before loading on the instrument. Do not invert open (punctured) packs.

Performance and Troubleshooting

Troubleshooting Tips

- Sample Diluent A
  - Is a diluent for specific assays only.
  - Cannot be used as an S0 calibrator to calibrate an assay.
  - Cannot be substituted as a diluent material for the S0 calibrator or a specific assay diluent.
- Acceptable assay diluents are listed in the assay insert. Only diluents that are specifically indicated can be used for each assay.
- For dilutions not matching as expected refer to assay specific or instrument troubleshooting tips or guidelines.

Technical Contacts

The following support departments may be contacted for additional information regarding Sample Diluent A.

If you are a:	Then you may contact:
BCI employee outside the U.S. and Canada	International Systems Technical Support: • Lotus NotesMail: Chaska Technical Support • Internet: Chaskatech@beckman.com
BCI service employee within the U.S. or Canada	Systems Technical Support at 1-800-666-8121
BCI non-service employee within the U.S. or Canada	Customer Technical Support at 1-800-854-3633