

OC-FCa Reagent

For OC-SENSOR PLEDIA

MEASUREMENT OF
FAECAL CALPROTECTIN



OC-FCa Control LV1/
OC-FCa Control LV2



OC-FCa Calibrator



OC-FCa Reagent for OC-SENSOR PLEDIA

- Use the same OC-Auto Sampling Bottle 3 and measure by the same analyzer, OC-SENSOR PLEDIA as FIT
- Wide measurement range (20 – 2,720 µg/g)
- Store OC-Auto Sampling Bottle 3 at 1 – 30°C before collecting a specimen

WHAT IS FAECAL CALPROTECTIN?

Calprotectin is an inflammatory protein abundantly present in neutrophils.¹ The amount of calprotectin in faeces increases accompanied with intestinal mucosal inflammation.

USE OF CALPROTECTIN

For distinguishing IBD (inflammatory bowel disease) from functional intestinal disorders (e.g. Irritable bowel syndrome, IBS) and monitoring ulcerative colitis (UC) disease activity.

PRINCIPLE

Latex agglutination
immunoturbidimetry

ANALYZER

OC-SENSOR PLEDIA

MEASUREMENT RANGE

20 – 2,720 µg/g



MEASUREMENT OF FAECAL CALPROTECTIN

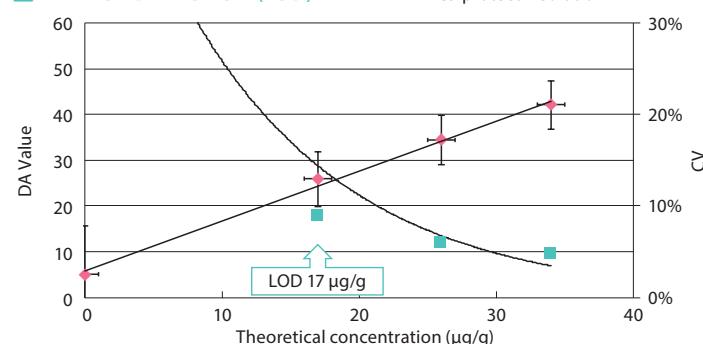
ANALYTICAL PERFORMANCE

■ INTRA-DAY REPRODUCIBILITY

	Sample1	Sample2	Sample3
N	20	20	20
Mean	169	532	1,377
S.D.	4.7	7.7	18.2
CV (%)	2.8	1.4	1.3
MAX.	182	544	1,405
MIN.	161	516	1,342

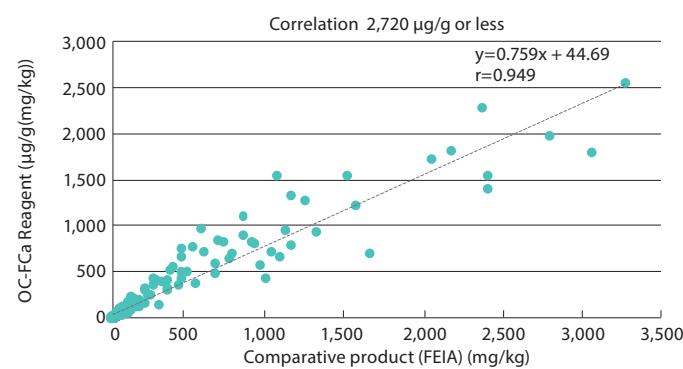
*Calprotectin solution

■ LIMIT OF DETECTION (LOD)

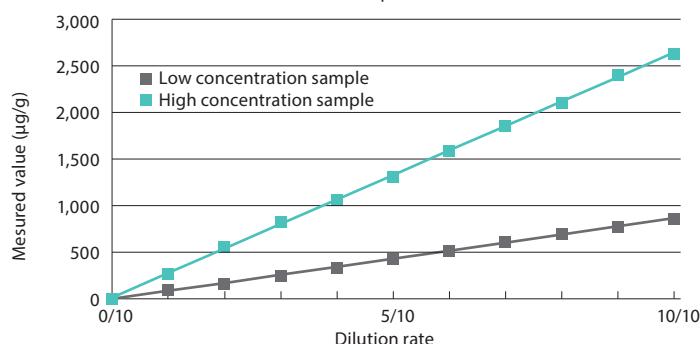


*Calprotectin solution

■ CORRELATION WITH OTHER PRODUCT (IN-HOUSE DATA)

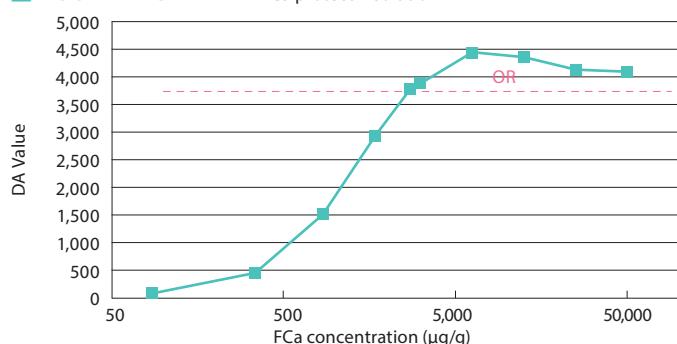


■ DILUTION LINEARITY



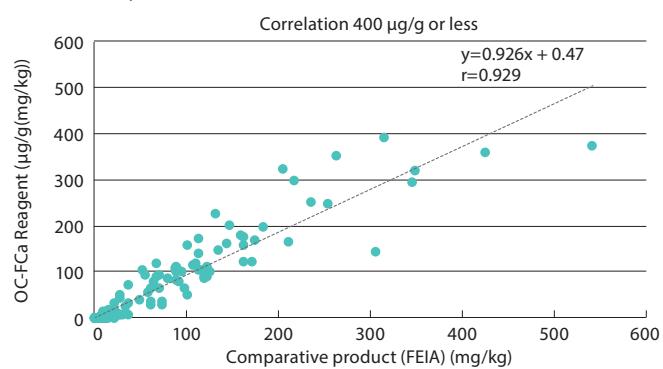
*Calprotectin solution

■ HOOK EFFECT



*Calprotectin solution

*Faecal sample



Agreement of each cut-off value

Cut-off value	Positive agreement	Negative agreement	Overall agreement
50 µg/g ² (Distinguishing IBD from functional intestinal disorders)	95.6% (108/113)	96.9% (62/64)	96.0% (170/177)
300 µg/g ² (Monitoring UC disease activity)	96.7% (58/60)	96.6 % (113/117)	96.6% (171/177)

PRODUCT SERIES AND STORAGE

Ready-to-Use: Reagents, Calibrator, Control and Sample diluent

PRODUCT NAME	PRODUCT CODE	CONTENTS	STORAGE
OC-FCa Reagent (For OC-SENSOR PLEDIA)	V-PH11	Latex 2 × 8ml Buffer 2 × 15ml	2-10°C
OC-FCa Calibrator	V-PH12	6 × 1ml	2-8°C
OC-FCa Control LV1	V-PH13	2 × 5ml	2-8°C
OC-FCa Control LV2	V-PH14	2 × 5ml	2-8°C
OC-SENSOR Sample Diluent	V-PH19	3 × 45ml	2-8°C
OC-Auto Sampling Bottle 3 [without barcode]	V-PZ25 [V-PZ26]	100 bottles	1-30°C

*Please check IFU (instructions for use) carefully before use of this product.

*Reference

1. I.Dale et al.: European Journal of Biochemistry, 134: 1-6, 1983.

2. K. Matsuoka et al.: Japanese Journal of Medicine and Pharmaceutical Science, 74: 717-726, 2017.



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