Smart LabTools
Complex Forms made Simple

GFR (CKD-EPI) Calculators - (Conventional Units)
3 New Equations to Estimate GFR in Adults

Chronic Kidney Disease Epidemiology (CKD-EPI) Collaboration
Estimated Glomerular Filtrate (GFR) (mL/min/1.73 m2)

Form is intended for use solely by Clinical Laboratory personnel as an aide in verifying correctness of GFR Calculations reported from Laboratory Information Systems

Serum Creatinine mg/dL	Age* (Years)	Serum Cystatin C mg/L
1.20	45	1.30
2 decimal pts. is preferred	* For > 18 yrs	(optional)

Reset

The CKD-EPI creatinine equation by Levey, et. al.:

Non-African American Male	Non-African American Female	African American Male	African American Female
73	55	84	63

eGFR = 141 x min(Scr/k,1)^a x max(Scr/k,1)^-1.209 x 0.993^Age [x 1.018 if female] [x 1.159 if Black]

Scr is serum creatinine, **k** is 0.7 for females, **k** is 0.9 for males **a** is -0.329 for females **a** is -0.411 for males

min indicates the minimum of Scr/k or 1, **max** indicates the maximum of Scr/k or 1

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The CKD-EPI cystatin C equation by Inker, et. al.:

Male	Female		
58	54		

eGFR = 133 x min(Scys/0.8, 1)^-0.499 x max(Scys/0.8, 1)^-1.328 x 0.996^age [x 0.932 if female]

Scys is serum cystatin C

The CKD-EPI creatinine-cystatin C equation by Inker, et. al.:

Non-African American Male	Non-African American Female	African American Male	African American Female
64	53	69	58

eGFR = 135 x min(Scr/k,1)^-a x max(Scr/k,1)^-0.601 x min(Scys/0.8,1)^-0.375 x max(Scys/0.8,1)^-0.711 x 0.995^Age [x 0.969 if female] [x 1.08 if Black]

Scr is serum creatinine, and Scys is serum cystatin C.
k is 0.7 for females, **k** is 0.9 for males **a** is -0.248 for females **a** is -0.207 for males
min indicates the minimum of Scr/k or 1, **max** indicates the maximum of Sr/k or 1

Nephromatic.com Renal Calculators

AACC LAB TESTS ONLINE eGFR

AACC LAB TESTS ONLINE Cystatin C