Isometric Mid-Thigh Pull Test

Patient name:	Alex Johnson	Age: _	23	_ Gender:	Male
Date of test: June	6, 2024				
Equipment					
Force plate Immovable ba	rbell				
Reminders					
	ete to warm up. ete to perform 2-3 practice med to the testing proced		ıbmaxir	mal effort (e.g. 50)-75% perceived max)
After the warm each lasting 3.	n-up and practice attempt -5 seconds.	s, athletes v	will perf	form 2-3 maxima	l effort IMTP trials,
Provide adequ	uate rest (2-5 minutes) be	tween maxi	mal tria	als to allow for ful	I recovery.
Procedure					
1. Adjust the bar	height to the athlete's mi	d-thigh.			
2. The athlete gr	ips the bar with a clean g	rip or altern	ating g	rip.	
3. The athlete sta	ands with feet shoulder-w	ridth apart o	n a for	ce plate.	
4. Ensure knee a	angle is between 125-145	° and hip aı	ngle is	140-150°.	
5. The athlete re	moves slack from the bar	without pre	-tensin	g.	
6. On command, seconds.	the athlete pushes their	feet into the	ground	d as hard and fas	st as possible for 3-5
7. Repeat steps	6-8 for 2-3 maximal effort	trials.			
8. The athlete re	mains still until each trial	is saved.			
Results					
Trial 1					
Peak force (PF): 2	2800 N				
Rate of force deve	elopment (RFD): 22000 N	/S			
Time to peak force	e: 1.2 sec				
Polative force: 3 6	N/ka				

Trial 2
Peak force (PF): 2900 N
Rate of force development (RFD): 23,000 N/S
Time to peak force: 1.1 sec
Relative force: 37 N/kg
Trial 3
Peak force (PF): 2850 N
Rate of force development (RFD): 22,500 N/S
Time to peak force: 1.15 sec
Relative force: 36.5 N/kg
Best trial: 2900 N
Normative data
For rugby players:
 Youth: 1162–2374 N Academy: 1855–3104 N Professional: 2254–3851 N
No normative data is available for other populations due to research emphasis on rugby players, despite the fact that the test can be done for collegiate athletes across a range of sports.
Examiner name: Frederick Tick Signature: