Isometric Mid-Thigh Pull Test

Patient name:	Age:	Gender:
Date of test:		
Equipment		
Force plateImmovable barbell		
Reminders		
Allow the athlete to warm up.		:
Allow the athlete to perform 2 to get accustomed to the testi		ximal effort (e.g. 50-75% perceived max)
 After the warm-up and practic each lasting 3-5 seconds. 	e attempts, athletes will pe	erform 2-3 maximal effort IMTP trials,
Provide adequate rest (2-5 mi	inutes) between maximal t	rials to allow for full recovery.
Procedure		
Adjust the bar height to the at	thlete's mid-thigh.	
2. The athlete grips the bar with	a clean grip or alternating	grip.
3. The athlete stands with feet shoulder-width apart on a force plate.		
4. Ensure knee angle is between 125-145° and hip angle is 140-150°.		
5. The athlete removes slack fro	om the bar without pre-tens	sing.
6. On command, the athlete pus seconds.	hes their feet into the grou	and as hard and fast as possible for 3-5
7. Repeat steps 6-8 for 2-3 maxi	imal effort trials.	
8. The athlete remains still until	each trial is saved.	
Results		
Trial 1		
Peak force (PF):		
Rate of force development (RFD)):	
Time to peak force:		
Relative force:		

Trial 2
Peak force (PF):
Rate of force development (RFD):
Time to peak force:
Relative force:
Trial 3
Peak force (PF):
Rate of force development (RFD):
Time to peak force:
Relative force:
Best trial:
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: Signature: