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# **Rugby Nutrition:**

# **Nutrition Strategies for Sevens Rugby**

Specific nutrition strategies are required to deal with the training and competition demands of Sevens Rugby. Your periodised training program may be specifically structured to develop the necessary skills, speed, agility and endurance required to play this highly demanding game. Contact demands may be less than Fifteens rugby, but it is still advantageous to maintain a high power-to-weight ratio (i.e. high muscle mass relative to fat mass) to assist with the force needed for accelerating, sprinting, and for tackles, rucks and mauls. [1] Training objectives and demands may vary between individuals, but over a week can be considerable. Sevens' matches may be shorter than rugby union games, but if you take into account that you may cover 20-45% greater distance in a game at a **higher velocity** [2], may play 2-3 games in one day with a short recovery period of only 3-4 hours between games, and continue this over 2-3 days, you can be quickly appreciate the importance of a high energy nutritious diet with definite recovery strategies.

### **Practical Tips specific for Sevens Rugby:**

To meet the high energy and nutrient demands - plan to eat at least 5-6 times a day. Between meals, snacks need to provide between 20-30% of your total energy intake. If you lack appetite or time, rather have concentrated options, like smoothies made with peanut butter, honey and banana, chocolate or other flavoured milk drinks, drinking yoghurt, pancakes with stewed apple and frozen yoghurt, scrambled egg with cheese, avocado mixed with cottage cheese; trail mixes, French Toast with honey, sliced banana and crème fraiche; rice pudding with stewed fruit and cinnamon.





- Travel and touring plan playing multi-matches over a short period (2-3 matches/day for 2-3 days, which may be repeated within a 10-day period on a different continent) requires detailed and focused planning. This plan needs to address and co-ordinate airline food and meals, strategies to combat jet lag, hotel and venue catering facilities and food service. Find out ahead of time about the meals and times of service and plan to fill the gaps. This may mean setting up team rooms and organizing portable food options to be taken with to training grounds. Think of equipping team rooms with a toaster, blender, fridge and keep topped up with perishable items to ensure freshness – Super drinks (carrot, ginger apple, beetroot, celery) and fresh fruit, a selection of breads and fillings for sandwiches, baked items (sweet and savoury), coffee and smoothie stations.
- Multi-match nutrition and recovery your recovery from your first match is your preparation for the subsequent match, so it goes without saying that you should maximize this opportunity to refuel, rehydrate and repair muscle damage. Game time may only allow for limited intakes so choose compact and easy to digest options: date balls, low fat doughnuts, pancakes or crumpets with cinnamon sugar or fruit, sorbet and frozen yoghurt, iced coffee and smoothies. These foods address your immediate recovery, however if your next game is >2 hours away, you can include an additional 'pre-match' meal. This may be pasta, rice or mashed potato-based with lean protein (lean meat, chicken breasts or baked fish) and limited fat. Don't try anything new on match day!
- Supplements the use of supplements for Sevens Rugby players is covered in another document





Eat breakfast 2-3 hours before your first match. You may choose to have a later breakfast if your first match is late morning

TABLE 1: Example of match menu plan

	MEAL SCHEDULE	EXAMPLES OF MEALS	A variety of
	BREAKFAST	Fruit: fresh, stewed, salad, dried, juice	fluids can
	08:00	Cereals/porridge: Bircher muesli, oats, cornflakes with milk/yoghurt	encourage
	20.00	Toast/Bread rolls spread thinly with butter/peanut butter/avocado	hydration. Sports
		pear/jam/honey Eggs (boiled, poached, scrambled); fish (kippers, salmon), lean cold	drinks provide carbohydrate,
		meats and low fat cheeses; frittata or potato/pasta bake	electrolytes and
		Chopped tomato and mushrooms and other salad items	fluid but your
		Tea, coffee, hot chocolate	choice will be
Your choice will			determined by
depend on	PRE-MATCH /TOP UP	Oat and date cereal bar	your energy, fluid needs and
personal	SNACK	Sandwich or wrap or pita bread Fluid – sports drink	appetite
preference and energy	~1 hr prior to match	Tidiu Sports dillik	ирренте
requirements	DURING MATCH	Sports drink or water	A magazzamz annak
	(including half time)		A recovery snack of carbohydrate
	(		and protein
	RECOVERY SNACK	Smoothie; chocolate milk, low GI bar; sandwiches and a wrap with	replenishes fuel
		protein fillings, pretzels and biltong	stores and helps
	Within 30minutes after match	Water and/or sports drink	with muscle
			recovery
	LUNCH	Pasta; rice; sweet potato; mashed potato; bread roll	
Carbohydrates	2-3 hours before next match	lean bolognaise (with added red kidney beans, tomato, onion, baby marrows, peppers)	
supply the		marrows, peppers)	Small frequent
body with the		Stir fry	top ups will be
fuel needed to for training &		Green salad (spinach, rocket, watercress, cucumber, peas & avocado)	easier to eat if you lack appetite
competition.			after a match,
		Fruit	are easier to
	PRE-MATCH TOP UPS &	REFER TO Pre-& post-match top up and recovery options above	digest and will
			keep your blood
	POST MATCH		sugar levels steady
	RECOVERY		steady
	(repeat of morning)		
	DINNER	Lean meat/chicken or fish	Lean protein
		Pasta or unrefined grains Starchy vegetables (or soup)	foods help build
Eat sufficient		Other vegetables and salad	& repair muscle,
carbohydrate to replenish		Olive, seed or nut oils	and fills you up.
stores and low		acceptant accept	
glycaemic		PLUS fruit juice or fresh fruit or fruit/dairy-based dessert (fruit phyllo	Healthy fats
options are		and custard or yoghurt)	provide essential
recommended	EVENING SNACK	Horlicks/ Milo (made with low fat or fat free milk)	fatty acids, and
	EVENING SWACK	(made man of the feet miny	are needed for
		Date or banana loaf or sandwich	regulating
			immune and hormone
	A variety of vegetables & fruit prov		functions.
	micronutrients & antioxida	ants.	





For more information on Rugby Nutrition, go to the BokSmart website www.BokSmart.com or go to the

following link: <a href="http://boksmart.sarugby.co.za/content/eating-and-drinking-right">http://boksmart.sarugby.co.za/content/eating-and-drinking-right</a>

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